

Title (en)
ADAPTIVE AIRFOILS

Title (de)
ADAPTIVE TRAGFLÜGEL

Title (fr)
SURFACES PORTANTES ADAPTATIVES

Publication
EP 3865400 A1 20210818 (EN)

Application
EP 20212440 A 20201208

Priority
US 202016787659 A 20200211

Abstract (en)
An airfoil (200) for use with a vehicle (100), the airfoil (200) comprising: first and second skins (210, 212) at least partially defining an exterior of the vehicle (100), the first (210) skin including first and second pivots (216, 220), the second skin (212) including third and fourth pivots (218, 222); a first arm (214a) extending between the first and third pivots (216, 218), the first arm (214a) rotatable about the first and third pivots (216, 218); a second arm (214b) extending between the second and fourth pivots (220, 222), the second arm (214b) rotatable about the second and fourth pivots (220, 222); and a closeout (204) including fifth and sixth pivots (234, 236) rotatably coupled to the first and second skins (210, 212), respectively.

IPC 8 full level
B64C 3/48 (2006.01); **B64C 13/24** (2006.01)

CPC (source: CN EP US)
B64C 3/14 (2013.01 - CN); **B64C 3/38** (2013.01 - CN); **B64C 3/44** (2013.01 - US); **B64C 3/48** (2013.01 - EP); **B64C 3/52** (2013.01 - US); **B64C 13/24** (2013.01 - EP)

Citation (search report)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3865400 A1 20210818; EP 3865400 B1 20230517; CN 113247237 A 20210813; US 11377196 B2 20220705; US 2021245862 A1 20210812

DOCDB simple family (application)
EP 20212440 A 20201208; CN 202110104166 A 20210126; US 202016787659 A 20200211